Solving Equations

Solve each equation:

1) a) $x + 3 = 10$ b) $x - 4 = 8$ c) $x - 7 = 0$ d) $2x = 12$

2) a) $3x + 4 = 10$ b) $2x - 5 = 3$ c) $4x + 7 = 31$

3) a) $5x + 3 = 2x + 9$ b) $7x - 2 = 3x - 10$ c) $6x - 12 = x - 2$

4) a) $2(x + 3) = 8$ b) $3(2x - 1) = 21$ c) $5(x + 2) = 2(2x + 9)$

5) Remember to simplify the algebra before balancing!

   a) $4(2x + 1) - 3 = 17$ b) $5(x + 3) + 2(2x - 5) = 23$